

## CLAIMS

### What is Claimed is:

1        1. A vehicle having two primary wheels and at least two retractable  
2        wheels and a sliding panel system for open or completely enclosed riding,  
3        wherein both the wheelprint and the open/enclosed panel system being quickly  
4        and independently reversible.

1        2. The vehicle as claimed in Claim 1, wherein the vehicle having two  
2        primary wheels is selected from the group consisting of motorscooters,  
3        motorcycles, mopeds, and bicycles.

1        3. The vehicle as claimed in Claim 2, wherein the sliding panel system  
2        comprises an enclosure for completely enclosed riding and at least one sliding  
3        panel allowing a rider to enter and exit the vehicle.

1        4. The vehicle as claimed in Claim 3, wherein the retractable wheels  
2        when deployed prevents the vehicle from tipping over without the need for a rider  
3        to use his or her feet and legs to keep the vehicle upright.

1        5. The vehicle as claimed in Claim 4, wherein the enclosure further  
2        comprises an integral safety/utility bar for protecting the rider.

1        6. The vehicle as claimed in Clam 5, wherein the enclosure further  
2        comprises one or more convenience or safety feature selected from the group  
3        consisting of safety belts; audio systems; communications systems; global  
4        positioning systems; heating, ventilation and air conditioning systems; lighting  
5        systems; windshield cleaning systems; and warning systems.

1        7. The vehicle as claimed in Claim 6, wherein the retractable wheels  
2        are located on sides of the vehicle and further serve as a protective barrier for the  
3        rider and the vehicle from a side collision.

1        8. The vehicle as claimed in Claim 7, wherein the vehicle occupies a  
2        volume approximately six feet long, five feet high, and two feet wide.

1        9. The vehicle as claimed in Claim 8, wherein the enclosure has  
2        sufficient interior volume to accommodate two people and two standard sized  
3        (25" by 15" by 10") luggage containers.

1           10. The vehicle as claimed in Claim 9, wherein the vehicle has a  
2 structural size that takes up less space on a road and when parked than a typical  
3 automobile.

- 1           11. A vehicle comprising:  
2           a frame;  
3           a front wheel carried by the frame;  
4           a rear wheel carried by the frame;  
5           an enclosure positioned around the riding area of the vehicle and mounted  
6 securely on the frame; and  
7           at least one retractable stabilizing member carried by the frame, the at  
8 least one retractable stabilizing member having an extended position and a  
9 retracted position,  
10 wherein the at least one retractable stabilizing member prevents the vehicle from  
11 leaning more than a predetermined angular amount from a vertical position when  
12 the at least one retractable stabilizing member is in the extended position.
- 1           12. The vehicle as claimed in Claim 11, wherein one of the at least one  
2 retractable stabilizing member is located on each side of the vehicle.
- 1           13. The vehicle as claimed in Claim 12, wherein the at least one  
2 retractable stabilizing member is located proximal to the rear wheel of the vehicle.
- 1           14. The vehicle as claimed in Claim 11, wherein the at least one  
2 retractable stabilizing member prevents the vehicle from tipping when extended,  
3 and not adversely impair the operation of the vehicle or the movement of a rider.
- 1           15. The vehicle as claimed in Claim 11, wherein the at least one  
2 retractable stabilizing member reversibly moves from an upper retracted position  
3 distal from a road surface to a lower extended position proximal to the road  
4 surface.
- 1           16. The vehicle as claimed in Claim 15, wherein the at least one  
2 retractable stabilizing member is operationally attached to the frame via a leg  
3 assembly.
- 1           17. The vehicle as claimed in Claim 16, further comprising one leg  
2 assembly for each of the at least one retractable stabilizing member.

1           18. The vehicle as claimed in Claim 17, wherein the leg assembly  
2 comprises a strut attached at a proximal end to the vehicle at a pivot point and an  
3 axle located at a distal end of the strut and is associated with one of the at least  
4 one retractable stabilizing member.

1           19. The vehicle as claimed in Claim 18, wherein the pivot point is an  
2 attachment point on the frame.

1           20. The vehicle as claimed in Claim 19, wherein the leg assembly  
2 further comprises a control arm attached to the strut and extending to an  
3 actuating motor located on the vehicle.

1           21. The vehicle as claimed in Claim 20, wherein when the actuating  
2 motor is activated to extend the at least one retractable stabilizing member, the  
3 actuating motor moves the control arm in a direction so as to move the at least  
4 one retractable stabilizing member downward into the extended position.

1           22. The vehicle as claimed in Claim 21, wherein when the actuating  
2 motor is activated to retract the at least one retractable stabilizing member, the  
3 actuating motor moves the control arm in a direction so as to move the at least  
4 one retractable stabilizing member upward into the retracted position.

1           23. The vehicle as claimed in Claim 18, wherein the pivot point is a  
2 drive shaft on an actuating motor.

1           24. The vehicle as claimed in Claim 23, wherein when the actuating  
2 motor is activated to extend the at least one retractable stabilizing member, the  
3 actuating motor rotates the strut in a direction so as to move the at least one  
4 retractable stabilizing member downward into the extended position.

1           25. The vehicle as claimed in Claim 24, wherein when the actuating  
2 motor is activated to retract the at least one retractable stabilizing member, the  
3 actuating motor rotates the strut in a direction so as to move the at least one  
4 retractable stabilizing member upward into the retracted position shown.

1           26. The vehicle as claimed in Claim 18, further comprising a locking  
2 means to hold the at least one retractable stabilizing member in either or both of  
3 the extended and retracted positions.

1           27. The vehicle as claimed in Claim 21, further comprising a tension  
2 spring to retract the at least one retractable stabilizing member when the

3 actuating motor is deactivated so as to move the at least one retractable  
4 stabilizing member upward into the retracted position.

1       28. The vehicle as claimed in Claim 24, further comprising a tension  
2 spring to retract the at least one retractable stabilizing member when the  
3 actuating motor is deactivated so as to move the at least one retractable  
4 stabilizing member upward into the retracted position.

1       29. The vehicle as claimed in Claim 15, wherein the at least one  
2 retractable stabilizing member is operated automatically.

1       30. The vehicle as claimed in Claim 29, wherein the at least one  
2 retractable stabilizing member automatically retracts when the vehicle is moving  
3 faster a preset speed.

1       31. The vehicle as claimed in Claim 30, wherein the at least one  
2 retractable stabilizing member automatically retracts when the vehicle is moving  
3 faster than 25 miles per hour (40 kph).

1       32. The vehicle as claimed in Claim 30, wherein the at least one  
2 retractable stabilizing member automatically retracts when the vehicle is moving  
3 faster than 15 miles per hour (24 kph).

1       33. The vehicle as claimed in Claim 30, wherein the at least one  
2 retractable stabilizing member automatically retracts when the vehicle is moving  
3 faster than 7 miles per hour (11 kph).

1       34. The vehicle as claimed in Claim 30, wherein the at least one  
2 retractable stabilizing member automatically retracts when the vehicle is moving  
3 faster than a speed preset by a rider.

1       35. The vehicle as claimed in Claim 18, wherein the at least one  
2 retractable stabilizing member is operated manually.

1       36. The vehicle as claimed in Claim 35, further comprising a control  
2 arm attached to the strut at a proximal end and terminating in a handle on a distal  
3 end opposite the connection to the strut.

1       37. The vehicle as claimed in Claim 36, wherein the handle is proximal  
2 to a rider such that the rider can pull the handle upwards to retract the at least  
3 one retractable stabilizing member and push the handle downwards to extend the  
4 at least one retractable stabilizing member.

1       38. The vehicle as claimed in Claim 37, wherein the control arm  
2 comprises a locking means to hold the at least one retractable stabilizing member  
3 in either or both of the extended and retracted positions.

1       39. The vehicle as claimed in Claim 38, further comprising a tension  
2 spring to retract the at least one retractable stabilizing member upward into the  
3 retracted position.

1       40. The vehicle as claimed in Claim 11, wherein the enclosure  
2 comprises windows.

1       41. The vehicle as claimed in Claim 40, further comprising a means for  
2 entering and exiting the enclosure that can be opened and closed in varying  
3 arrays.

1       42. The vehicle as claimed in Claim 40, wherein the enclosure further  
2 comprises at least one safety device selected from the group consisting of bars  
3 and safety belts.

1       43. The vehicle as claimed in Claim 40, wherein the enclosure further  
2 comprises at least one convenience device selected from the group consisting of  
3 headlights, window wipers, storage bins, compartments, audio/video systems,  
4 and climate control systems.

1       44. The vehicle as claimed in Claim 11, wherein the at least one  
2 retractable stabilizing member when retracted is located inside of the enclosure.

1       45. The vehicle as claimed in Claim 11, wherein the at least one  
2 retractable stabilizing member when retracted is located outside of the enclosure.

1       46. The vehicle as claimed in Claim 41, wherein the means for entering  
2 and exiting the enclosure comprises a system of sliding panels contained in a  
3 frame and comprising at least one movable crossbar that pivots about an axis  
4 and at least one panel, wherein at least one of the panels is movable in at least  
5 two directions along the frame so that placement of the at least one panel in  
6 select positions within the frame creates openings of different sizes, shapes and  
7 locations within the frame.

1       47. The vehicle as claimed in Claim 46, further comprising at least one  
2 vertical crossbar, wherein the at least one movable crossbar is pivotably attached  
3 to the at least one vertical crossbar; and the at least one panel is movable in a

4 horizontal and vertical direction.

1       48. The vehicle as claimed in Claim 47, wherein the at least one  
2 movable crossbar is lockable in place within the frame.

1       49. The vehicle as claimed in Claim 48, wherein the at least one panel  
2 can be slid along the at least one movable crossbar.

1       50. The vehicle as claimed in Claim 49, wherein the movement of the at  
2 least one panel is along the at least one movable crossbar.

1       51. The vehicle as claimed in Claim 46, wherein the movement of the at  
2 least one panel in one direction creates an opening in the system.

1       52. The vehicle as claimed in Claim 51, wherein an electric means is  
2 used to move the at least one panel.

1       53. The vehicle as claimed in Claim 46, wherein a first of the least one  
2 panel can be slid behind or in front of a second of the at least one panel.

1       54. The vehicle as claimed in Claim 46, wherein all of the at least one  
2 panels can be placed in one corner of the frame.

1       55. The vehicle as claimed in Claim 46, wherein the movable bar pivots  
2 to a position against a part of the frame so as to create a larger continuous  
3 opening through the frame greater than the size of any one of the at least one  
4 panel.